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_	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
_	10/521,195	01/13/2005	Haruo Sorimachi	300.1180	8654
	21171 STAAS & UA1	7590 08/24/2007	1	EXAMINER	
	STAAS & HALSEY LLP SUITE 700			TRAN, THIEN F	
		ORK AVENUE, N.W. ON, DC 20005		ART UNIT	PAPER NUMBER
				2811	
				MAIL DATE	DELIVERY MODE
				08/24/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)				
Office Action Summary		10/521,195	SORIMACHI, HARUO				
		Examiner	Art Unit				
		Thien F. Tran	2811				
	The MAILING DATE of this communication app	ears on the cover sheet with the c	correspondence address				
	Period for Reply						
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. (C) (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on <u>07 August 2007</u> .						
2a)⊠	This action is <b>FINAL</b> . 2b) This action is non-final.						
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	Disposition of Claims						
4)⊠	☑ Claim(s) <u>1-4,9,11 and 12</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠	)⊠ Claim(s) <u>1-3 and 9</u> is/are allowed.						
6)⊠	Claim(s) 4,11 and 12 is/are rejected.						
· <u> </u>	Claim(s) is/are objected to.		•				
8)[	Claim(s) are subject to restriction and/or	r election requirement.					
Applicati	ion Papers						
9)	The specification is objected to by the Examine	r.					
•	0)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority ι	under 35 U.S.C. § 119						
12)	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)	a) ☐ All b) ☐ Some * c) ☐ None of:						
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
		•					
			•				
Attachmen							
	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D					
3) Infor	mation Disclosure Statement(s) (PTO/SB/08) or No(s)/Mail Date	5) Notice of Informal F 6) Other:					

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## **DETAILED ACTION**

# Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 4, 11 and 12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 4 recites the limitations "a stack of a plurality of the semiconductor devices as set forth in claim 1" in lines 1-2 and "a stack of one or more element semiconductor devices" in line 3. There is insufficient antecedent basis for these limitations in the claim.

Claim 11 recites the limitations "a stack of a plurality of the semiconductor devices as set forth in claim 2" in lines 1-2 and "a stack of one or more element semiconductor devices" in lines 2-3. There is insufficient antecedent basis for these limitations in the claim.

Claim 12 recites the limitations "a stack of a plurality of the semiconductor devices as set forth in claim 3" in lines 1-2 and "a stack of one or more element semiconductor devices" in line 3. There is insufficient antecedent basis for these limitations in the claim.

#### Allowable Subject Matter

Claims 1-3 and 9 are allowed.

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The following is a statement of reasons for the indication of allowable subject matter: prior art references do not teach or render obvious a semiconductor device having the structure arrangement as claimed in claim 1, wherein wire bonding connection pads are at peripheral regions, surrounding an inside region, of an electrode terminal formation surface of a semiconductor chip; and a plurality of rewiring patterns are extending from respective peripheral regions to the inside region of said electrode terminal formation surface, individual ones of the plurality of rewiring patterns connecting respective, individual electrode terminals and corresponding connection pads and test pads.

### Response to Arguments

Applicant's arguments with respect to claims 4, 11 and 12 have been considered but are most in view of the new ground(s) of rejection.

#### Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien F. Tran whose telephone number is (571) 272-1665. The examiner can normally be reached on 6:30AM - 3:00PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Gurley can be reached on (571) 272-1670. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Thien F Tran
Primary Examiner
Art Unit 2811

tt August 22, 2007